Author Index

ACKER, G.M. see NOUN, A.

ALDERUCCIO, F., WITHERDEN, D., TOH, B.H. & BARNETT, A. Autoantibody to gp50, a glycoprotein shared in common between fibroblasts and lymphocytes, in progressive systemic sclerosis, 26

ALEXANDER, N.J. see KURPISZ, M.

ALKAN, S.S. see WIESENBERG, I.

AMENGUAL, M.J., CATALFAMO, M., PUJOL, A., JUAREZ, C., GELPI, C. & RODRIGUEZ, J.L. Autoantibodies in chronic delta virus infection recognize a common protein of 46 kD in rat forestomach basal cell layer and stellate thymic epithelial cells, 79

AMINO, N. see IWATANI, Y.

ANDERSON, T.L. see KURPISZ, M.

ANSELL, B.M. see KNIGHT, S.C.

ANTOINE, J.C. see Noun, A.

APPELBERG, R. & SILVA, M.T. T cell-dependent chronic neutrophilia during mycobacterial infections, 478

APPLEBY, P., VENABLES, P.J.W., BOOTH, J., WILLIAMS, D.G., ROFFE, L.M. & MAINI, R.N. Murine graft-persus-host disease as a model of systemic lupus erythematosus: effect of immunosuppressive drugs on disease development, 454

ARAYA, S. see KUMAGAI, S.

ATKINSON, E.G., DINNING, W.J., KASP, E., GRAHAM, E.M. & DUMONDE, D.C. Precipitation of experimental autoallergic uveoretinitis by cyclosporin A withdrawal: an experimental model of uveitis rel² pse, 107

BABOONIAN, C., VENABLES, P.J.W., BOOTH, J., WILLIAMS, D.G., ROFFE, L.N. & MAINI, R.N. Virus infection induces redistribution and membrane localization of the nuclear antigen La (SS-B): a possible mechanism for autoimmunity, 454

BAGSHAWE, K.D. see BEGENT, R.H.J.

BAIG, S., OLSSON, O., OLSSON, T., LOVE, A., JEANSSON, S. & LINK, H. Cells producing antibody to measles and herpes simplex virus in cerebrospinal fluid and blood of patients with multiple sclerosis and controls, 390

BARBAGALLO SANGIORGI, G. see LI VECCHI, M.

BARGE, J. see DROMER, F.

BARNETT, A. see ALDERUCCIO, F.

BARRATT, G.M. see BEGENT, R.H.J.

BATES, E.J. see FERRANTE, A.

BEARD, M.E.J. see STARLING, G.C.

BEAUCAIRE, G. see HOBER, D.

BECHTOLD, D. see PETRASCH, S.

BECKER, G. see MULLER, C.P.

BECKERS, P. see GRAVES, P.M.

BEGENT, R.H.J., CHESTER, K.A., BAGSHAWE, K.D., KEEP, P.A., SEARLE, F., BODEN, J., BARRATT, G.M., GREEN, A.J., RIGGS, S.J. & WOODROW, D.F. Second antibody for improvment of antibody imaging: liposome-entrapped and free preparations in animal and human studies. 307.

BESSLER, W.G. see MULLER, C.P.

BHATIA, K. see GRAVES, P.M. BIRNIE, G.D. see MOFFAT, G.J.

BJORK, J. see KLEINAU, S.

BODEN, J. see BEGENT, R.H.J.

BODSER, J. See BEGENT, R.H.J. BOISSIER, M.C., CHIOCCHIA, G., TEXIER, B. & FOURNIER, C. Pattern of humoral reactivity to type II collagen in rheumatoid arthritis, 177

BOOTH, J. see APPLEBY, P.

BOOTH, J. see BABOONIAN, C.

BOYCE, J. see TIPPING P.G. BRANDTZAEG, P. see MULLER, F.

BREEDVELD, F.C. see HEURKENS, A.H.M.

Brennan, F.M. see Field, M.

Bresson, J.L. see Vuitton, D.A.

Bresson-Hadni, S. see Vuitton, D.A.

Bresson-Hadni, S., Vuitton, D.A., Lenys, D., Liance, M., Racadot, E. & Miguet, J.P. Cellular immune response in *Echinococcus multilocularis* infection in humans. I. Lymphocyte reactivity to *Echinococcus* antigens in patients with alveolar echinococcosis, 61

BRITTINGER, G. see PETRASCH, S.

BROWN, D.L. see McElroy, P.J. BRYANT, A. see ROZYNSKA, K.E.

BRYANT, A. see ROZYNSKA, K.E. BUHRING, H.J. see MULLER, C.P.

BURKOT, T.R. see GRAVES, P.M.

BUTKOWSKI, R. see SAXENA, R.

BUURMAN, W.A. see DEBETS, J.M.H.

BYGREN, P. see SAXENA, R.

CAPRON, A. see HOBER, D.

CAPRON, A. see PRIN, L.

CAPRON, M. see PRIN, L.

CASTRONOVO, V. see Li Vecchi, M.

CATALFAMO, M. see AMENGUAL, M.J. CHAPOT, M.-P. see MAGNUSSON, Y.

CHARLESWORTH, J.A. see PEAKE, P.W.

CHESTER, K.A. see BEGENT, R.H.J.

CHEUNG, A.K., PARKER, C.J. & WILCOX, L. Effects of two types of cobra venom factor on porcine complement activation and pulmonary artery pressure, 299

CHIOCCHIA, G. see BOISSIER, M.C.

CHOUAT, G. see NOUN, A.

CHOWERS, Y. see MEKORI, Y.A.

CLARK, C. see KRUG, H.E.

CLARK, G.F. see KURPISZ, M. COLIC, M. see KANARIOU, M.

D'APICE, A.J.F. see POLLOCK, B.J.

DAHA, M.R. see HEURKENS, A.H.M.

DAHA, M.R. see VAN DER WOUDE, F.J. DAVIDSON, S.E. see STARLING, G.C.

DAVIN, J.C. see Li VECCHI, M.

DE GAST, G.C. see WISMANS, P.J.

DE VRIES, J.E. see PASTORELLI, G.

Debets, J.M.H., Ruers, T.J.M., van der Linden, M.P.M.H., van der Linden, C. & J. & Buurman, W.A. Inhibitory effect of corticosteroids on the secretion of tumour necrosis factor (TNF) by monocytes is dependent on the stimulus inducing TNF synthesis, 244

DENIS, M., FORGET, A. & SKAMENE, E. Identification and characterization of a BCG antigen expressed at the membrane surface of *in vitro*

infected mouse peritoneal macrophages, 126 DESHPANDE, L. see RAJASEKARIAH, G.R.

DINNING, W.J. see ATKINSON, E.G.

DIXEY, J. see KNIGHT, S.C.

DROMER, F., PERRONNE, C., BARGE, J., VILDE, J.L. & YENI, P. Role of IgG and complement component C5 in the intitial course of experimental cryptococcosis, 412

DRUCKER, I. see MEKORI, Y.A.

DUMONDE, D.C. see ATKINSON, E.G.

DUNCAN, J.I. see HORROCKS, C.

EDWARDS, A. see ROZYNSKA, K.E.

ELKON, K.B. see GHARAVI, A.E.

ENDEMAN, H.J. see WISMANS, P.J.

ENDOH, M. see SAKAI, H.

ENESTROM, S. see HULTMAN, P.

FARRANT, J. & WEBSTER, A.D.B. B cell-cytokine reactions: lessons from clinical immunology, 321

FARRANT, J. see ROZYNSKA, K.E.

FERNANDEZ, L.A., MACSWEEN, J.M. & ROBSON, D.A. Feedback suppression of B cell colony formation in healthy individuals, 314

FERRANTE, A., HARVEY, D.P. & BATES, E.J. Staphylococcus aures. stimulated mononuclear leucocyte-conditioned medium increases t.e neutrophil bactericidal activity, and augments oxygen radical production and degranulation in response to the bacteria, 366

FIELD, M., NELSON, R.D., BRENNAN, F.M., WILLIAMS, D.G., SCHREIBER, L., MCCARTHEY, D.A. & MAINI, R.N. Rapid clearance of the lupus antigen Sm is delayed by autoantibody: a possible mechanism of autoimmunity perpetuation, 460

autoimmunity perpetuation, 40 FOIDART, J.B. see Li VECCHI, M. FOIDART, J. S. SEE LI VECCHI, M. FONTAN, G. SEE JIMENEZ, A. FORGET, A. see DENIS, M. FORMSTECHER, P. SEE PRIN, L. FORRE, C. SEE BOISSIER, M.C. FOURNIER, C. SEE BOISSIER, M.C. FROLAND, S.S. SEE MULLER, F. FRYER, P. SEE KNIGHT, S.C. FUKATA, S. SEE IWATANI, Y. FUNAUCHI, M. SEE MINDDA, M.

GARABEDIAN, M. see Noun, A. GAVRILOVIC, L. see PEAKE, P.W. GELPI, C. see AMENGUAL, M.J.

GHARAVI, A.E., MELLORS, R.C. & ELKON, K.B. IgG anti-cardiolipin antibodies in murine lupus, 233

GILLET, M. see VUITTON, D.A.

GRAHAM, E.M. see ATKINSON, E.G.

Graves, P.M., Bhatia, K., Burkot, T.R., Prasad, M., Wirtz, R.A. & Beckers, P. Association between HLA types and antibody response to malaria sporozoite and gaetocyte epitopes is not evident in immune Papua New Guineans, 418

GREAVES, M. see HOLT, C.M. GREEN, A.J. see BEGENT, R.H.J. GRIFFITHS, S. see KNIGHT, S.C.

GUART, V. see PRIN, L.

GUERET-STOCKER, S. see VUITTON, D.A. GUILLET, J.-G. see Magnusson, Y. Gupta, S.K. see Moudgil, K.D.

Hamada, K. see Minoda, M. Haque, A. see Hober, D. Harding, B. see Knight, S.C. Hart, D.N.J. see Starling, G.C. Harvey, D.P. see Ferrante, A. Hashimura, H. see Matsumoto, T.

НАТАКЕУАМА, М., MINATO, N. & KANO, S. Proliferative responsiveness of B cells from autoimmune NZB mice to anti-immunoglobulin and interleukin-4, 465

HAYASHI, Y., UTSUYAMA, M., KURASHIMA, C. & HIROKAWA, K. Spontaneous development of organ-specific autoimmune lesions in aged C57BL/6 mice, 119

HEDENBORG, M. see KLOCKARS, M HELLSTROM, U.B. see SYLVAN, S.P.E. HENDERSON, F.I. see MCELROY, P.J.

HEURKENS, A.H.M., HIEMSTRA, P.S., LAFEBER, G.J.M., DAHA, M.R. & BREEDVELD, F.C. Anti-endothelial cell antibodies in patients with rheumatoid arthritis complicated by vasculitis, 7

HIEMSTRA, P.S. see HEURKENS, A.H.M. HIGASHIKAWA, M. see MINODA, M. HIKI, M. see MATSUMOTO, T.

HIMENO, K. see OKA, M.

KIROKAWA, K. see HAYASHI, Y. HJALMARSON, A. see MAGNUSSON, Y.

HOBER, D., HAQUE, A., WATTRE, P., BEAUCAIRE, G., MOUTON, Y. & CAPRON, A. Production of tumour necrosis factor alpha (TNF-α) and interleukin-1 (IL-1) in patients with AIDS. Enhanced level of TNF-α is related to a higher cytotoxic activity, 329

HOEBEKE, J. see MAGNUSSON, Y. HOLDSWORTH, S.R. see TIPPING P.G.

HOLLAND, G.P. & STEWARD, M.W. Antibody affinity maturation: the role of CD8+ cells, 488 HOLMDAHL, R. see KLEINAU, S.

HOLT, C.M., LINDSEY, N., MOULT, J., MALIA, R.G., GREAVES, M., HUME, A., NOWELL, N.R. & HUGHES, P. Antibody-dependent cellular cytotoxicity of vascular endothelium: characterization and pathogenic associations in systemic sclerosis, 359.

HORIUCHI, A. see MINODA, M.

HORROCKS, C., ORMEROD, A.D., DUNCAN, J.I. & THOMSON, A.W. Influence of systemic cyclosporin A on interleukin-2 and epidermal growth factor receptor expression in psoriatic skin lesions, 166

HOWARD, J.C. see YOUSSAF, N. HOYER, S. see MAGNUSSON, Y. HUBY, R. see KANARIOU, M. HUGHES, P. see HOLT, C.M.

HULTMAN, P., ENESTROM, S., POLLARD, K.M. & TAN, E.M. Antifibrillarin autoantibodies in mercury-treated mice, 470

HUME, A. see HOLT, C.M. HUSSAIN, T. see RAVINDAN, B.

Hussain, T. see Ravindan, B.

ICHIHARA, K. see IWATANI, Y. IMURA, H. see KUMAGAI, S. INGELMO, M. see MARTORELL, J. ISHIDA, H. see KUMAGAI, S. ISOBE, T. see KLOCKARS, M. ITO, Y. see OKA, M. ITOH, Y. see SHIGEMOTO, K.

ITOH, Y. see SHIGEMOTO, K. IWAI, K. see KUMAGAI, S.

IWATANI, Y., AMINO, N., KANEDA, T., ICHIHARA, K., TAMAKI, H., TACHI, J., MATSUZUKA, F., FUKUTA, S., KUMA, K. & MIYAKI, K. Marked increase of CD5+ B cells in hyperthyroid Graves' disease, 196

JEANSSON, S. see BAIG, S. JEWELL, D.P. see Wu, K.C.

JIMENEZ, A., LOPEZ-TRASCASA, M. & FONTAN, G. Incidence of selective IgG2 deficiency in patients with vasculitis, 149

JUAREZ, C. see AMENGUAL, M.J. JUNG, C.C. see MULLER, C.P. JUNG, G. see MULLER, C.P.

KAISERLIAN, D. see VUITTON, D.A.

KANARIOU, M., HUBY, R., LADYMAN, H., COLIC, M., SIVOLAPENKO, G., LAMPERT, I. & RITTER, M. Immunosuppression with cyclosporin A alters the thymic microenvironment, 263

KANEDA, T. see IWATANI, Y. KANO, S. see KATAKEYAMA, M. KASP, E. see ATKINSON, E.G. KEEP, B.E. see POLLOCK, B.J. KEEP, P.A. see BEGENT, R.H.J.

KEYSTONE, E.C. POPLONSKI, L., SNOW, K.M. & MARTELL, M. Impaired autologous mixed lymphocyte reaction (AMLR) reactivity of peripheral blood T cell subsets in rheumatoid arthritis, 184

KITANO, A. see MATSUMOTO, T. KLAJMAN, A. see MEKORI, Y.A. KLARESKOG, L. see KLEINAU, S.

KLEINAU, S., LARSSON, P., BJORK, J., HOLMDAHL, R. & KLARESKOG, L. Linomide, a new immunodulatory drug, shows different effects on homologous versus heterologous collagen-induced arthritis in rats, 137

KLOCKARS, M., HEDENBORG, M., KOOISTINEN, J. & ISOBE, T. IgG and IgA enhance the crhysotile-induced production of reactive oxygen metabolites by human polymorphonuclear leucocytes, 372

KNIGHT, S.C., FRYER, P., GRIFFITHS, S., HARDING, B., DIXEY, J. & ANSELL, B.M. Class II antigens on dendritic cells from the synovial fluid of patients with inflammatory arthritis, 19

KOBAYASHI, K. see MATSUMOTO, T.

KOIKE, T. see SHIGEMOTO, K.

KOOISTINEN, J. see KLOCKARS, M.

KRUG, H.E., MAHOWALD, M.L. & CLARK, C. Progressive ankylosis (ank/ank) in mice: an animal model of spondyloarthropathy. III. Proliferative spleen cell response to T cell mitogens, 96

KUBO, S. see SHIGEMOTO, K. KUMA, K. see IWATANI, Y.

KUMAGAI, S., ISHIDA, H., IWAI, K., TSUBATA, T., UMEHARA, H., OZAKI, S., SUGINOSHITA, T., ARAYA, S. & IMURA, H. POSSIBLE different

- mechanism of B cell activation in systemic lupus erythematosus and rheumatoid arthritis: opposite expression of low-affinity recept, 348 KURASHIMA, C. see HAYASHI, Y.
- KURPISZ, M., CLARK, G.F., MAHONY, M., ANDERSON, T.L. & ALEX-ANDER, N.J. Mouse monoclonal antibodies against human sperm: evidence for immunodominant glycosylated antigenic sites, 250
- LADJEVA, I., PETERMAN, J.H. & MESTECKY, J. IgA subclasses of human colostral antibodies specific for microbial and food antigens, 84
- LADYMAN, H. see KANARIOU, M. LAFEBER, G.J.M. see HEURKENS, A.H.M.
- LAMPERT, I. see KANARIOU, M.
- LANDAY, A.L. see ZELLER, J.M.
- LAPPIN, D. see MOFFAT, G.J.
- LAROCHE, L. see VUITTON, D.A.
- LARSSON, P. see KLEINAU, S.
- LEFEBVRE, P. see PRIN, L.
- LEHNER, T. see POULTER, L.W.
- LENGAGNE, R. see MAGNUSSON, Y.
- LENYS, D. see BRESSON-HADNI, S.
- LI VECCHI, M., DAVIN, J.C., CASTRONOVO, V., FOIDART, J.M. MALAISE, M. FOIDART, J.B. BARBAGALLO SANGIORGI, G. & MAHIEU, P. Reactivity of human anti-α-glactosyl IgG antibody with (1→3)-linked galactosyl epitopes exposed on basement membranes and on glomerular epithelial cells: an in vitro and in vivo study in the mouse,
- LIANCE, M. see BRESSON-HADNI, S.
- LIMPENS, J. & SCHEPER, R.J. Synergistic effects of locally administered cytostatic drugs and a surfactant on the development of delayed-type hypersensitivity to keyhole limpet haemocyanin in mice, 256
- LINDSEY, N. see HOLT, C.M.
- LINK, H. see BAIG, S. LOISEAU, S. see PRIN, L.
- LOPEZ-TRASCASA, M. see JIMENEZ, A.
- LOVE, A. see BAIG, S.
- MACSWEEN, J.M. see FERNANDEZ, L.A.
- MADI, N., PACCAUD, J.P., STEIGER, G. & SCHIFFERLI, J.A. Immune adherence of nascent hepatitis B surface antigen-antibody complexes in vivo in humans, 201
- MAGNUSSON, Y., HOYER, S., LENGAGNE, R., CHAPOT, M.-P., GUILLET, J.-G., HJALMARSON, A., STROSBERG, A.D. & HOEBEKE, J. Antigenic analysis of the second extra-cellular loop of the human betaadrenergic receptors, 43
- MAHIDA, Y.R. see Wu, K.C.
- MAHIEU, P. see LI VECCHI, M.
- MAHONY, M. see KURPISZ, M.
- MAHOWALD, M.L. see KRUG, H.E.
- MAIKOE, T. see WISMANS, P.J.
- MAINI, R.N. see APPLEBY, P.
- MAINI, R.N. see BABOONIAN, C.
- MAINI, R.N. see FIELD, M.
- MALAISE, M. see Li VECCHI, M.
- MALIA, R.G. see HOLT, C.M.
- MARTELL, M. see KEYSTONE, E.C. MARTORELL, J., FONT, J., ROJO, A., VILELLA, R., INGELMO, M. & VIVES, J. Responsiveness of systemic lupus erythematosus T cells to signals
- provided through LCA T200 (CD45) and T1 (CD5) antigens, 172 MARUYAMA, M. see SUZUKI, H.
- MARUYAMA, N. see SHIGEMOTO, K. MASON, D.Y. see SUTTON, L.N.
- MATSUMOTO, T., KITANO, A., NAKAMURA, S., OSHITANI, N., OBATA, A., Hiki, M., Hashimura, H., Okawa, K., Kobayashi, K. & Nagura, H. Possible role of vascular endothelial cells in immune responses in colonic mucosa examined immunocytochemically in subjects with and without ulcerative colitis, 424
- MATSUZUKA, F. see IWATANI, Y.
- McCarthey, D.A. see Field, M.
- McElroy, P.J. Henderson, F.I. & Brown, D.L. Immune status and response to immunization with polysaccharide vaccines of a healthy, congenitally asplenic woman, 402
- MCKENZIES, A.S. see POLLOCK, B.J.
- McPHEE, D.A. see POLLOCK, B.J.

- MEKORI, Y.A., CHOWERS, Y., DRUCKER, I. & KLAJMAN, A. Inhibition of delayed hypersensitivity reactions by colchicine. I. Colchicine inhibits interferon-gamma-induced expression of HLA-DR on gut epithelial cell line, 230
- MELLORS, R.C. see GHARAVI, A.E.
- MESSNER, R.P. see THOMAS, T.J.
- MESTECKY, J. see LADJEVA, I.
- MIGUET, J.P. see BRESSON-HADNI, S.
- MIHARA, M. & OHSUGI, Y. Autoimmune kidney disease in MRL/Mplpr/1pr mice inhibited by OK-432, a streptococcal preparation, 101
- MILLRAIN, M. see ROZYNSKA, K.E. MINATO, N. see HATAKEYAMA, M.
- MINODA, M., HAMADA, K., HIGASHIKAWA, M., SUGUSHIMA, H., FUNAU-CHI, M. & HORIUCHI, A. Examination of the inhibitory effects of interferon-y on interleukin-4-induced stimulation of resting B cells from NZB/NZW F1 mice, 114
- MISHRA, R.S. see MOUDGIL, K.D.
- MITCHELL, J.A., SIM, R.B. & SIM, E. CR1 polymorphism in hydralazineinduced systemic lupus erythematosus: DNA restriction fragment length polymorphism, 354
- MIYAKI, K. see IWATANI, Y.
- MIYAZAKI, M. see SAKAI, H.
- MOFFAT, G.J., LAPPIN, D., BIRNIE, G.D. WHALEY, K. Complement biosynthesis in human synovial tissue, 54
- MONOYMA, S. see MORIO, T.
- MONTEIRO, Y.M. see RAJASEKARIAH, G.R.
- MORJO, T., MONOYMA, S. & YATA, J. Suppression of in vitro immunoglobulin synthesis of CD16 (Leu11)+CD56 (NKH1, Leu19)+ non-T lineage NK cells; lack of suppression of cells from immunodeficient patients, 159
- MOUDGIL, K.D., GUPTA, S.K., NARAYNAN, P.R., SRIVASTAVA, L.M., MISHRA, R.S. & TALWAR, G.P. Antibody response to phenolic glycolipid I and Mycobacterium w antigens and its relation to bacterial load in M. leprae-infected mice and leprosy patients, 214
- MOULT, J. see HOLT, C.M.
- MOUTON, Y. see HOBER, D. MUDDE, G.C. see WISMANS, P.J.
- MULLER, C.P., BUHRING, H.J., BECKER, G., JUNG, C.C., JUNG, G., TROGER, W., SAALMULLER, A., WIESMULLER, K.H. & BESSLER, W.G. Specific antibody response towards predicted epitopes of the epidermal growth factor induced by thermostable synthetic peptide adju-
- MULLER, F., FROLAND, S.S. & BRANDTZAEG, P. Altered IgG-subclass distribution in lymph node cells and serum of adults infected with human immunodeficiency virus (HIV), 153
- NAGASAWA, H. see OKA, M.
- NAGURA, H. see MATSUMOTO, T.
- NAKAMURA, S. see MATSUMOTO, T.
- NARAYNAN, P.R. see MOUDGIL, K.D.
- NATVIG, J.B. see RANDEN, I.
- NELSOM, R.D. see FIELD, M. NETTO, A. see RAJASEKARIAH, G.R.
- NIMMO, J.C. see STARLING, G.C.
- NOMOTO, Y. see SAKAI, H. NOUN, A., ACKER, G.M., CHOUAT, G., ANTOINE, J.C. & GARABEDIAN, M. Cells bearing granulocyte-macrophage and T lymphocyte anti-
- gens in the rat uterus before and during ovum implantation, 494 NOWELL, N.R. see HOLT, C.M.
- OBATA, A. see MATSUMOTO, T.
- OHSUGI, Y. see MIHARA, M.
- OKA, M., NAGASAWA, H., ITO, Y. & HIMENO, K. Granulocytemacrophage colony-stimulating activity in the serum of mice stimulated with homogenates of Trypanosoma gambiense, 285
- OKAWA, K. see MATSUMOTO, T.
- OLSSON, O. see BAIG, S.
- OLSSON, T. see BAIG, S.
- ORMEROD, A.D. see HORROCKS, C.
- OSHITANI, N. see MATSUMOTO, T.
- OZAKI, S. see KUMAGAI, S.
- PACCAUD, J.P. see MADI, N.
- PARKER, C.J. see CHEUNG, A.K.

PASTORELLI, G., RONCAROLO, M.G., TOURAINE, J.L., PERONNE, G., TOVO, P.A. & DE VRIES, J.E. Peripheral blood lymphocytes of patients with common variable immunodeficiency (CVI) produce reduced levels of interleukin-4, interleukin-2 and interferon-gamma, but proliferate normally upon activation by mitogens, 334

PASTORELLI, G., RONCAROLO, M.G., TOURAINE, J.L., ROUSSET, F., PENE, J. & DE VRIES J.E. Interleukin-4 suppresses immunoglobulin production by peripheral blood lymphocytes of patients with common variable immunodeficiency (CVI) induced by supernatants of T cell clones. 341

PATTNAIK, N.M. see RAVINDAN, B.

Peake, P.W., Pussell, B.A., Charlesworth, J.A. & Gavrilovic, L. Differences in the metabolism of C4 isotypes in patients with complement activation, 49

Pene, J. see Pastorelli, G. Peronne, G. see Pastorelli, G. Perronne, C. see Dromer, F., Peterman, J.H. see Ladjeva, I.

PETRASCH, S., WACKER, H.H., ZOU, P., BECHTOLD, D. & BRITTINGER, G. Enhancement in number and function of antigen-presenting cells in the lymphatic tissue of rats after in vivo administration of diphenylhydantoin (DPH), 132

POEL, J. see WISMANS, P.J.

POLLARD, K.M. see HULTMAN, P.

POLLOCK, B.J., McKenzies, A.S., Kemp, B.E., McPhee, D.A. & D'Apice, A.J.F. Human monoclonal antibodies to HIV-1: cross reactions with gag and env products, 323

POPLONSKI, L. see KEYSTONE, E.C.

POULTER, L.W. & LEHNER, T. Immunohistology of oral lesions from patients with recurrent ulcers and Behçet's syndrome, 189

PRASAD, M. see GRAVES, P.M. PRIDDLE, J.D. see Wu, K.C.

PRIN, L., LEFEBVRE, P., GRUART, V., CAPRON, M., STORME, L., FORMSTECHER, P., LOISEAU, S & CAPRON, A. Heterogeneity of human eosinophil glucocorticoid receptor expression in hypereosinophilic patients: absence of detectable receptor correlates with resistance to corticotherapy, 383

PUJOL, A. see AMENGUAL, M.J. PUSSELL, B.A. see PEAKE, P.W.

RACADOT, E. see BRESSON-HADNI, S.

RAJASEKARIAH, G.R., MONTEIRO, Y.M., NETTO, A., DESHPANDE, L. & SUBRAHMANYAM, D. Protective immune response with trickle infections of third-stage filarial larvae of Wuchereria bancrofti in mice, 292

RANDEN, I., THOMSON, K.M., NATVIG, J.B., FORRE, O. & WAALEN, K. Human monoclonal rheumatoid factors derived from the polyclonal repertoire of rheumatoid synovial tissue: production and characterization, 13

RAVINDAN, B., SATAPATHY, A.K., HUSSAIN, T. & PATTNAIK, N.M. Antibodies in human filariasis sera react with diethylcabamazine, 219

Antidodies in human filatiasis sera rea Redman, C.W.G. see Sutton, L.N. Riggs, S.J. see Begent, R.H.J. Ritter, M. see Kanariou, M. Robson, D.A. see Fernandez, L.A. Rodriguez, J.L. see Amengual, M.J. Roffe, L.M. see Applbey, P. Roffe, L.N. see Baboonian, C. Rojo, A. see Martorell, J.

RONCAROLO, M.G. see PASTORELLI, G.

ROTHBERG, L. see ZELLER, J.M. ROUSSET, F. see PASTORELLI, G.

ROZYNSKA, K.E., SPICKETT, G.P., MILLRAIN, M., EDWARDS, A., BRYANT, A., WEBSTER, A.D.R. & FARRANT, J. Accessory cell and T cell defects in acquired and inherited hypogammaglobulinaemia, 1 Ruers, T.J.M. see Debets, J.M.H.

SAALMULLER, A., see MULLER, C.P.

SAKAI, H., MIYAZAKI, M., ENDOH, M. & NOMOTO, Y. Increase of IgAspecific switch T cells in patients with IgA nephropathy, 378

SATAPATHY, A.K. see RAVINDAN, B.

SAXENA, R., BYGREN, P., BUTKOWSKI, R. WIESLANDER, J. Specificity of kidney-bound antibodies in Goodpasture's syndrome, 31 SCHELLEKENS, H. see WIESENBERG, I.

SCHEPER, R.J. see LIMPENS, J.

SCHIFFERLI, J.A. see MADI, N. SCHREIBER, L. see FIELD, M. SCHWARTING, R. see SELLHEYER, K. SEARLE, F. see BEGENT, R.H.J.

SELLHEYER, K., SCHWARTING, R. & STEIN, H. Isolation and antigenic profile of follicular dendritic cells, 431

SHIGEMOTO, K., MARUYAMA, N., ITOH, Y., KUBO, S. & KOIKE, T. Murine leukaemia virus gene product as an acute phase protein: complete suppression of serum gp70 synthesis in hepatocytes of B10.7 mice, 484

SILVA, M.T. see Appelberg, R.
SIM, E. see MITCHELL, J.A.
SIM, R.B. see MITCHELL, J.A.
SIVOLAPENKO, G. see KANARIOU, M.
SKAMENE, E. see DENIS, M.
SNOW, K.M. see KEYSTONE, E.C.
SPICKETT, G.P. see ROZYNSKA, K.E.

SRIVASTAVA, L.M. see MOUDGIL, K.D.
STARLING, G.C., DAVIDSON, S.E., NIMMO, J.C., BEARD, M.E.J. & HART, D.N.J. Inhibition of non-MHC-restricted cytotoxicity by CD45 but not CD3 monoclonal antibodies in patients with large granular limphoproliferative disease, 396

STEIGER, G. see Madi, N. STEIN, H. see SELLHEYER, K. STEWARD, M.W. see HOLLAND, G.P.

STOLK, B. see WISMANS, P.J. STORME, L. see PRIN, L.

STROSBERG, A.D. see MAGNUSSON, Y.

SUBRAHMANYAM, D. see RAJASEKARIAH, G.R.

SUGINOSHITA, T. see KUMAGAI, S. SUGUSHIMA, H. see MINODA, M.

SUTTON, L.N., MASON, D.Y. & REDMAN, C.W.G. Isolation and characterization of human fetal macrophages from placenta, 437

SUZUKI, H., YAMASHITA, N., MARUYAMA, M., YOSHIKAWA, T. & YANO, S. Human lymphokine-activated killer cells suppress pokeweed mitogen-induced immunoglobulin synthesis, 406

SYLVAN, S.P.E. & HELLSTROM, U.B. Characterization of hepatitis B surface antigen (HBsAg) induced interleukin-2 secretion in chronic asymptomatic carriers of HBsAg, 207

TACHI, J. see IWATANI, Y.
TALWAR, G.P. see MOUDGIL, K.D.
TAMAKI, H. see IWATANI, Y.
TAN, E.M. see HULTMAN, P.
TEXIER, B. see BOISSIER, M.C.
TUMME T. I. & MESSAUR. P. P.

THOMAS, T.J. & MESSNER, R.P. Beneficial effects of a polyamine biosynthesis inhibitor on lupus in MRL-1pr/1pr mice, 239

THOMSON, A.W. see HORROCKS, C. THOMSON, K.M. see RANDEN, I.

TIPPING, P.G., BOYCE, N.W. & HOLDSWORTH, S.R. Relative contributions of chemo-attractant and terminal components of complement to anti-glomerular basement membrane (GBM) glomerulonephritis, 444

TOH, B.H. see Alderuccio, F. Touraine, J.L. see Pastorelli, G. Tovo, P.A. see Pastorelli, G. Troger, W. see Muller, C.P. Tsubata, T. see Kumagai, S.

UMEHARA, H. see KUMAGAI, S. UTSUYAMA, M. see HAYASHI, Y.

VAN DER LINDEN, C.J. see DEBETS, J.M.H.

VAN DER LINDEN, M.P.M.H. see DEBETS, J.M.H.

VAN DER MEIDE, P.H. see WIESENBERG, I.

VAN DER WOUDE, F.J., DAHA M.R. & VAN ES, L.A. Review: the current status of neutrophil cytoplasmic antibodies, 143

VAN ES, L.A. see VAN DER WOUDE, F.J.

VAN HATTUM, J. see WISMANS, P.J.
VAN HATTUM, J. see WISMANS, P.J.
VENABLES, P.J.W. see APPLEBY, P.
VENABLES, P.J.W. see BABOONIAN, C.
VILDE, J.L. see DROMER, F.
VILELLA, R. see MARTORELL, J.
VIVES, J. see MARTORELL, J.

- VUITTON, D.A. see Bresson-Hadni, S.
- VUITTON, D.A., BRESSON-HADNI, S., LAROCHE, L., KAISERLIAN, D., GUERET-STOCKER, S., BRESSON, J.L. & GILLET, M. Cellular immune response in *Echinococcus multilocularis* infection in humans. II. Natural killer cell activity and cell subpopulations in the blood and in the periparasitic granuloma of patients with alveolar echinococcosis, 67
- WAALEN, K. see RANDEN, I.
- WACKER, H.H. see PETRASCH, S.
- WATTRE, P. see HOBER, D.
- WEBSTER, A.D.B. see FARRANT, J.
- WEBSTER, A.D.B. see ROZYNSKA, K.E.
- WHALEY, K. see MOFFAT, G.J.
- WIESENBERG, I., VAN DER MEIDE, P.H., SCHELLEKENS, H. & ALKAN, S.S. Suppression and augmentation of rat adjuvant arthritis with monoclonal anti-interferon-gamma antibody, 245
- WIESLANDER, J. see SAXENA, R.
- WIESMULLER, K.H. see MULLER, C.P.
- WILCOX, L. see CHEUNG, A.K.
- WILLIAMS, B.D. see YOUSSAF, N.
- WILLIAMS, D.G. see APPLEBY, P.
- WILLIAMS, D.G. see BABOONIAN, C.

- WILLIAMS, D.G. see FIELD, M.
- WIRTZ, R.A. see GRAVES, P.M.
- WISMANS, P.J., VAN HATTUM, J., DE GAST, G.C., ENDEMAN, H.J., POEL, J., STOLK, B., MAIKOE, T. & MUDDE, G.C. The spot-ELISA: a sensitive in vitro method to study the immune response to hepatitis B surface antigen, 75
- WITHERDEN, D. see ALDERUCCIO, F.
- WOODROW, D.F. see BEGENT, R.H.J.
- Wu, K.C., Mahida, Y.R., Priddle, J.D. & Jewell, D.P. Immunoglobulin production by isolated intestinal mononuclear cells from patients with ulcerative colitis and Crohn's disease, 37
- YAMASHITA, N. see SUZUKI, H.
- YANO, S. see SUZUKI, H.
- YATA, J. see MORIO, T.
- YENI, P. see DROMER, F.,
- YOSHIKAWA, T. see SUZUKI, H.
- YOUSSAF, N., HOWARD, J.C. & WILLIAMS, B.D. Demonstration of hepatic Fc receptor function in vivo, 278
- Zeller, J.M., Rothberg, L. & Landay, A.L. Evaluation of human monocyte oxidative metabolism utilizing a flow cytometric assay, 90 Zou, P. see Petrasch, S.

Subject Index

2'.7' dichlorofluorescin, 91 α -(1 \rightarrow 3)-linked galactosyl, 271 AIDS, 323, 329, 431 Accessory cell defects, 1 Activation, 49 Acute phase protein, 484 Adenovirus, 454 Adherence, immune, 201 Adjuvant arthritis, 245 Affinity, 488 Affinity maturation, 488 African trypanosomiasis, 285 Ageing, 120 Allotypes, C4, 49 Ankylosing spondylitis, 97 Anti-DNA antibodies, 233, 239 Anti-GBM antibodies, 31 Anti-cardiolipin antibodies, 143, 233, 359 Anti-drug antibodies, 219 Anti-nuclear antibodies, 470 Antibodies, human monoclonal, 323 Antibodies, anti-DNA, 233, 239 Antibodies, anti-GBM, 31 Antibodies, anti-cardiolipin, 233, 359 Antibodies, anti-cytoplasmic, 143 Antibodies, anti-drug, 219 Antibodies, bacterial, 214 Antibodies eluted, 31 Antibodies, monoclonal, 250, 307, 412 Antibody, IgG, 271 Antibody, TSH-receptor, 196 Antibody-dependent cellular cytotoxicity, 359 Antigen presenting cells in inflammation, 19 Antigen-presenting cells, 424 Antigenic mimicry, 219 Antigens, 75 Antigens, food, 85 Antigens, microbial, 85 Arthritis, 138 Arthritis, adjuvant, 245 Arthritis, juvenile chronic, 19 Arthritis, rheumatoid, 184 Asymptomatic hepatits B surface antigen carriers, Autoantibodies, 80, 102, 460 Autoantibodies, circulating, 120 Autoantibodies, type II collagen, 177 Autoantigens, 80 Autoimmune, 120 Autoimmune disease, 102

B cell colonies, 314
B cell colony assay, 314
B cell differentiation, 348
B cell hyperactivity, 348
B cell-cytokine interactions, 321
B cells, 465
B-adrenergic receptors, 42
BCG, 127
Bacterial antibodies, 214
Basement membrane glycoproteins, 271
Behçet's syndrome, 189
Bovine collagen II, 138

Autologous mixed lymphocyte reaction, 184

C3 receptors, 431 C4 allotypes, 49 CD16+ cells, 159 CD19 cells, 314 CD4, 378 CD45, 172 CD5+ B cells, 196 CD5, 172 CD8 cells, 488 CR1, 354 Carcinoembryonic antigen, 307 Chemotaxis, 478 Chronic granulomatous disease, 91 Chrysotile asbestos, 372 Circulating autoantibodies, 120 Circulating immune complexes, 354 Class II MHC antigen, 437 Cobra venom factor, 299 Colchicine, 230 Colostrum, 85 Common variable hypogammaglobulinaemia, 1 Common variable immunodeficiency patients, 341 Common variable immunodeficiency, 334 Complement, 49, 299, 412, 444 Complement biosynthesis, 54 Complement receptor type 1, 201 Complexes, immune, 278 Congenital asplenia, 402 Corticosteroids, 224 Crohn's disease, 37 Cryptococcosis, experimental, 412 Cryptococcus neoformans, 412 Cultured glomerular epithelial cells, 271 Cyclosporin A, 108, 166, 263 Cytokines, 329, 366 Cytostatic drugs, 256 Cytotoxicity, 329 Cytotoxicity, non-MHC restricted, 396

DDA, 256
Degranulation, 366
Delta infection, 80
Diethylcarbamazine, 219
Difhuoromethylornithine, 239
Diphenylhydantoin, 133
Disease, chronic granulomatous, 91
Disease, Crohn's, 37
Disease, Graves', 196
Disease, large granular lymphoproliferative, 396
Drugs, cytostatic, 256

ELISA, 75
Echinococcus multilocularis, 61, 67
Electron microscopy, 67
Eluted antibodies, 31
Endothelial cells, 424
Endothelium, 7, 359
Eosinophils, 383
Epidermal growth factor receptor, 166, 499
Epithelial HLA-DR, 189
Epithelial cells, cultured glomerular, 271
Epitope mapping, 42
Experimental autoallergic uveitis, 108
Experimental cryptococcosis, 412

Fc receptors, 431 Fcz receptor, 348 Feedback suppression, 314 Fibroblasts, 26 Filariasis, 219 Flow cytometry, 91 Follicular dendritic cells, 431 Food antigens, 85

HIV, 153

HIV-1, 323

Gametes, 418
Glomerular basement membrane, 444
Glomerulonephritis, 143, 144
Glucocorticoids, 383
Glycolipids, sperm, 250
Glycoproteins, 26
Glycoproteins, 26
Glycoproteins, basement membrane, 271
Goodpasture antigen, 31
Granulocyte-macrophage colony stimulating factor, 285
Granulocyte-macrophage, 494
Granuloma, 67
Graves' disease, 196

HIV-1 infection, 133 HLA, 418 HLA-DR antigen, 424 HLA-DR, epithelial, 189 Hashimoto's thyroiditis, 196 Henoch-Schönlein syndrome, 149 Hepatic Fc receptor, 278 Hepatitis B antibodies, 75 Hepatitis B antigens, 75 Hepatitis B surface antigens, 201 Hepatitis B vaccine, 207 Herpes simplex virus, 390 Histocompatibility antigens in inflammation, 19 Human alveolar echinococcosis 61, 67 Human anti-α-galactosyl, 271 Human monoclonal antibodies, 323 Human placenta, 437 Hydralazine-induced systemic lupus erythematosus, 354 Hydrogen peroxide, 91 Hypereosinophilic syndrome, 383 Hypertension, pulmonary, 299 Hyperthyroidsm, 196

IgA nephropathy, 378 IgA subclass, 153 IgA, 378 IgA1, 85 IgA2, 85 IgG antibody, 271 IgG subclass, 153 IgG2 deficiency, 149 Immune adherence, 201 Immune complex, 49 Immune complexes, 278, 359, 460 Immune complexes, circulating, 354 Immune complexes, nascent, 201 Immune response, 75 Immunity, protective, 292 Immunization, in vitro, 323 Immunoblotting, 26 Immunoenhancement, 256 Immunogenicity, 42 Immunoglobulin, 37, 159, 372 Immunoglobulin isotypes, 470 Immunoglobulin production, 341 Immunoglobulin subclasses, 402 Immunoglobulin synthesis, 406 Immunohistochemistry, 120, 424 Immunohistology, 189 Immunomodulation, 245

Hypogammaglobulinaemia, 1

Immunosuptassays, 390
Immunosuppression, 263, 449
In vitro immunization, 323
Infection, delta, 80
Infections, trickle, 292
Inflammation, 478
Inflammatory arthritis, 19
Inhibition, 224
Interferon-gamma, 115, 230, 245, 334
Interleukin-1, 207
Interleukin-2, 334
Interleukin-2 receptor, 166
Interleukin-2 receptor, 165
Intestinal mononuclear cells, 37
Isolation methods, 431

Juvenile chronic arthritis, 19

Laminin, murine, 271
Large granular lymphoproliferative disease, 396
Larvae, third-stage, 292
Leprosy, 214
Lesions, 120
Leucocyte common antigen, 396
Leucocytes, 372
Linomide, 138
Lymphadenopathy, 153
Lymphocytes, 26, 120
Lymphokine-activated killer cells, 406

MRL/1 mice, 102 MRL/1pr mice, 233 Macrophages, 127, 437 Malaria, 418 Measles, 390 Membrane attack complex, 444 Mercury, 470 Metabolism, 49 Mice, 292, 470 Mice, MRL/1pr, 233 Microbial antigens, 85 Microenvironment, 263 Mimicry, antigenic, 219 Mitogens, 97 Monoclonal antibodies, 127, 250, 307, 412 Monoclonal antibodies, human, 323 Monoclonal rheumatoid factor, 13 Monocytes, 91 Mononuclear phagocytic system, 133, 278 Multiple sclerosis, 390 Murine laminin, 271 Murine progressive ankylosis, 97 Mycobacteria, 478 Mycobacterium leprae, 214

NZB mices, 465 NZB/NZW F1 mice, 115 Nascent immune complexes, 201 Natural killer activity, 67 Natural killer cells, 159 Neoplasms, 307 Nephropathy, IgA, 378 Neutrohils, 143, 366, 478 Non-MHC-restricted cytotoxicity, 396 Nuclear antigens, 454, 460

OK-432, 102 Ovum implantation, 494 Oxygen metabolites, reactive, 372

Papua New Guinea, 418 Peptides, 42 Peptides, synthetic, 499 Peripheral blood mononuclear cells, 61, 67 Phagocytosis, 412

Subject Index

Placenta, human, 437
Plasma clearance, 460
Pneumovax, 402
Polyamines, 239
Production, 334
Production, immunoglobulin, 341
Progressive systemic sclerosis, 26
Protective immunity, 292
Psoriasis, 166
Pulmonary hypertension, 299

Radioimmunoassay, 329
Rat collagen II, 138
Rat uterus, 494
Reactive oxygen metabolites, 372
Recurrent oral ulcers, 189
Relapse, 108
Residues, 271
Respiratory burst, 366
Resting B cells, 115
Restriction fragment length polymorphism, 354
Retroviral gp70, 484
Rheumatoid arthritis, 184, 348
Rheumatoid vasculitis, 7

S antigen, 108 Scleroderma, 470 Second antibody, 307 Second signal, 172 Sjögren's syndrome, 454 Sm antigen, 460 Sperm, 250 Sperm glycolypids, 250 Spleen cell proliferation, 97 Spondylitis, ankylosing, 97 Spondyloarthropathies, 97 Sporozoites, 418 Spot-ELISA, 75 Staphylococcus aureus, 366 Suppression, 406 Suppressor, 159 Surface antigens, 127 Surgery, 256

Swine, 299
Switch T cells, 378
Synovial tissue, 13, 54
Synthetic peptides, 499
Synthetic vaccine, 499
Systemic lupus crythematosus, 172, 233, 239, 348, 354, 449, 465
Systemic sclerosis, 359

T cell activation, 172 T cell clones, 341 T cell defects, 1 T cell proliferation, 334 T cell reactivity, 184
T cell receptor, 396 T cells, 143 T lymphocytes, 494 TSH-receptor antibody, 196 Tetanus toxoid, 402 Third-stage larvae, 292 Thrombocytopenia, 233 Thymus, 263 Thyroiditis, Hashimoto's, 196 Treatment, 329 Trickle infections, 292 Trypanosoma gambiense, 285 Tumour necrosis factor, 224 Type II collagen autoantibodies, 177

Ulcerative colitis, 37, 424 Ulcers, recurrent oral, 189 Uveitis, experimental autoallergic, 108

Vaccine, hepatitis B, 207 Vaccine, synthetic, 499 Vasculitis, 143, 149 Viral hepatitis vaccines, 75

Wisklott-Aldrich syndrome, 159 Wuchereia bancrofti, 219, 292

Z-DNA, 239 Z-linked agammaglobulinaemia, 1

